

RP02519

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Recombinant Mouse IL-7 Protein

Catalog No.: RP02519

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16196	P10168

Tags

C-His

Synonyms

IL-7; IL-7
interleukin-7; interleukin-7; Lymphopoietin
-1; PBGF; IL7

Product Information

Source	Purification
E. coli	> 98% by SDS-PAGE.

Endotoxin

<0.1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

Interleukin 7 (IL-7) is a protein that in humans is encoded by the IL7 gene. IL-7 stimulates the differentiation of multipotent (pluripotent) hematopoietic stem cells into lymphoid progenitor cells. It is important for proliferation during certain stages of B-cell maturation, T and NK cell survival, development and homeostasis.

Basic Information

Description

Recombinant Mouse IL-7 Protein is produced by Escherichia coli expression system. The target protein is expressed with sequence of Mouse IL-7 fused with polyhistidine tag at the C-terminus

Bio-Activity

Measured in a cell proliferation assay using PHA-activated human peripheral blood lymphocytes (PBMC). The ED₅₀ for this effect is <0.2 ng/mL. The specific activity of recombinant mouse IL-7 is > 5 x 10⁶ IU/mg.

Storage

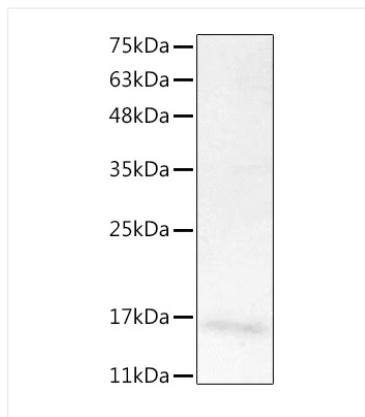
Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Mouse IL-7 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 16 kDa.